

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) Communication method in a home network comprising at least two devices connected to a communication bus, wherein, a first device including an internet application and a second device including means for connecting to the internet, said method comprises the ~~[[step]]~~ steps of:

~~-receiving, by the second device, sending~~ a request from said first device ~~to said second device~~ for opening a connection between the first device and ~~an internet server~~ the second device, wherein said request contains an internet application protocol identifier, corresponding to a protocol chosen among a plurality of protocols supported by the second device, to identify an internet application protocol to be used ~~over said connection~~ for exchanging information between the first device and the internet server;

~~-sending~~ receiving, by the second device, an internet protocol request under the format of said internet application protocol from said first device ~~to said second device~~;

-forwarding said internet protocol request from the second device to the internet server;

-upon receipt, transferring a response from said internet server to said first device through said second device over said communication bus.

2. (Currently amended) Method according to claim 1 wherein said request by said first device includes a message buffer size allocated to message reception by the first devices for the connection on the home network.

3. (Currently amended) Method according to claim 1 wherein ~~said~~ a response by the second device to said request for opening a connection includes the message buffer size allocated to said connection on the home network by said second device.

4. (Previously presented) Method according to claim 1 wherein, on the home network, a sending device splits data to be sent to a receiving device into messages of a size which is smaller than the size of a message buffer of the receiving device.

5. (Currently amended) Method according to claim 1, further including the step of sending, ~~by said first device to said~~ by the second device, ~~a request for~~ a list of internet application protocols supported by said second device upon request from the first device.

6. (Currently amended) Method according to claim 1, further comprising the step of sending receiving by the second device , ~~by~~ from said first device ~~to said second device~~, an address of a function of said first device, said second device sending internet responses to said first device as parameters of a call of said function.

7. (Previously presented) Method according to claim 1, wherein said second device attributes a connection identifier to a connection requested by said first device, said connection identifier being sent from said first device to said second device as acknowledgment of receipt for said request for opening said connection.

8. (Original) Method according to claim 7, wherein said first and second devices systematically use said connection identifier as parameter for function calls by said first device to said second device or vice-versa.

Claims 9-10 (cancelled)

11. (Currently amended) Device for connection to home communication bus and to the Internet, said device comprising an IP protocol stack, ~~characterized in that the device comprising comprises:~~

- a plurality of internet application protocols for forwarding requests and responses according to these protocols;

- an application programmable interface for allowing an internet application of a client device on the home communication bus to select one of said internet application protocols by specifying an internet protocol identifier, for use ~~over a connection~~ between the client device and an internet server.

12. (New) Communication method in a home network comprising at least two devices connected to a communication bus, wherein, a first device including an internet application and a second device including means for connecting to the internet, said method comprises the steps, at the level of the first device, of:

- sending a request to said second device for opening a connection between the first device and the second device, wherein said request contains an internet application protocol identifier, corresponding to a protocol chosen by the first device among a plurality of protocols supported by the second device, to identify an internet application protocol to be used for exchanging information between the first device and the internet server;

- sending an internet protocol request under the format of said internet application protocol to said second device;

- following a response from said internet server, receiving the response from the second device.

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13. (New) Method according to claim 12, further comprising the step of requesting a list of supported internet application protocols from the second device.